

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified <i>AUG 24 2001</i> 501)				Docket No. APPM/3421.C1/ISM/COPPER/DV	Serial No. 09/609,347			
SUPPLEMENTAL LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT				Applicant Cheun, et al.	Confirmation No.:			
(Use several sheets if necessary)				Filing Date July 5, 2000	Group 1741			
U.S. Patent Documents								
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate	
	A1							
	A2							
	A3							
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	A8							
	A9							
	A10							
	A11							
RECEIVED <i>AUG 28 2001</i> TC 1700								
Foreign Patent Documents						Translation		
*Examiner Initial		Document Number	Date	Country	Class	Subclass	YES	NO
<i>SSM</i>	B1	93/17448	09-02-1993	WO	H01L	21/20	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	B2						<input type="checkbox"/>	<input type="checkbox"/>
	B3						<input type="checkbox"/>	<input type="checkbox"/>
	B4						<input type="checkbox"/>	<input type="checkbox"/>
OTHER ART								
*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.						
<i>EGB</i>	C1	Search Report, prepared for Singapore Appl. No. 00010504, dated May 23, 2001						
	C2							
	C3							
Examiner <i>Erica Smith Sticks</i>				Date Considered <i>5-31-01</i>				
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.								

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LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT		Applicant	
(Use several sheets if necessary)		Cheung et al.	
OCT 17 2000 PATENT AND TRADEMARK OFFICE		Filing Date July 5, 2000	Group 1741

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*Examiner Initial		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
<i>E8dt</i>	AA	5,723,028	03/03/1998	Poris	204	231	<i>RECEIVED OCT 25 2000</i>
	AB	5,718,813	02/17/1998	Drummond et al.	204	192.12	<i>GROUP 1700</i>
	AC	5,705,223	01/06/1998	Bunkofske	427	240	
	AD	5,651,865	07/29/1997	Sellers	204	192.13	
	AE	5,625,170	04/29/1997	Poris	177	50	
	AF	5,608,943	03/11/1997	Konishi et al.	15	302	
	AG	5,449,447	09/12/1995	Branders	205	141	
	AH	5,429,733	07/04/1995	Ishida	204	224 R	
	AI	5,415,890	05/16/1995	Kloiber et al.	427	242	
	AJ	5,377,708	01/03/1995	Bergman et al.	134	105	
✓	AK	5,368,711	11/29/1994	Poris	204	193	

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		Document Number	Date	Country	Class	Subclass	Yes	No
<i>E8dt</i>	AL	WO 97/12079	04/03/1997	WIPO	C25D	5/02		X
	AM	JP 06017291	01/25/1994	Japan English Abstract	C25D	7/12		X
	AN	JP 04280993	10/06/1992	Japan English Abstract	C25D	5/18		X
	AO	JP 04131395	05/06/1992	Japan English Abstract	C25D	5/34		X
✓	AP	JP 63118093	05/23/1988	Japan English Abstract	C25D	5/18		X

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<i>E8dt</i>	AQ	Lucio Colombo, "Wafer Back Surface Film Removal," Central R&D, SGS-THOMPSON Microelectronics, Agrate, Italy, 6 pages	<i>Year/Month Not Available</i>
<i>E8dt</i>	AR	Semitool [®] , Inc., "Metallization & Interconnect," 1998, 4 pages	<i>Month Not Available</i>
<i>E8dt</i>	AS	Verteq Online [®] , "Products Overview," 1996-1998, 5 pages	<i>Month Not Available</i>

Examiner *Eric Smith* Date Considered *5/31/02*

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		Filing Date OCT 17 2000	Group
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*Examiner Initial		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
<i>SM</i>	BA	5,349,978	09/27/1994	Sago et al.	134	153	<i>OCT 25 2000</i>
	BB	5,328,589	07/12/1994	Martin	205	296	<i>GROUP 1700</i>
	BC	5,316,974	05/31/1994	Crank	437	190	
	BD	5,290,361	03/01/1994	Hayashida et al.	134	2	
	BE	5,259,407	11/09/1993	Tuchida et al.	134	151	
	BF	5,256,274	10/26/1993	Poris	205	123	
	BG	5,252,807	10/12/1993	Chizinsky	219	390	
	BH	5,230,743	07/27/1993	Thompson et al.	134	32	
	BI	5,224,504	07/06/1993	Thompson et al.	134	155	
	BJ	5,222,310	06/29/1993	Thompson et al.	34	202	
<i>SM</i>	BK	5,162,260	11/10/1992	Leibovitz et al.	437	195	

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		Document Number	Date	Country	Class	Subclass	Yes	No
<i>SM</i>	BL	JP 58182823	10/25/1983	Japan English Abstract	H01L	21/288		X
	BM							
	BN							
	BO							
	BP							

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<i>SM</i>	BQ	Kenneth E. Pitney, "NEY Contact Manual," Electrical Contacts for Low Energy Uses, 1973, 19 pages, <i>month not available</i>
<i>SM</i>	BR	Peter Singer, "Wafer Processing," Semiconductor International, June 1998, 1 page.
<i>SM</i>	BS	Peter Singer, "Tantalum, Copper and Damascene: The Future of Interconnects," Semiconductor International, June 1998, 6 pages.

Examiner *Glucose and others* Date Considered *8/31/02*

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*Examiner Initial		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate	
ESK	CA	5,155,336	10/13/1992	Gronet et al.	219	411	OCT 25 2000	
	CB	5,100,516	03/31/1992	Nishimura et al.	205	145	GROUP 1700	
	CC	5,092,975	03/03/1992	Yamamura et al.	204	198		
	CD	5,069,760	12/03/1991	Tsukamoto et al.	205	80		
	CE	5,055,425	10/08/1991	Leibovitz et al.	437	195		
	CF	5,039,381	08/13/1991	Mullarkey	204	47.5		
	CG	4,732,785	03/22/1988	Brewer	427	240		
	CH	4,693,805	09/15/1987	Quazi	204	192.22		
	CI	4,519,846	05/28/1985	Aigo	134	15		
	CJ	4,518,678	05/21/1985	Allen	430	311		
	CK	4,510,176	04/09/1985	Cuthbert et al.	427	82		
Foreign Patent Documents							Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No
	CL							
	CM							
	CN							
	CO							
	CP							
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ESK	CQ	Ragnar Holm, "Electric Contacts Theory and Application," Springer-Verlag New York Inc 1967, 26 pages. *						
ESK	CR	Technologies Corporation, "Two control configurations available" 1998, 6 pages *						
	CS	** = Month Not Available						
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				July 5, 2000		1741		
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<i>ESR</i>	DA	4,489,740	12/25/1984	Rattan et al.	134	140	<i>RECEIVED OCT 25 2000 GROUP 1700</i>	
	DB	4,435,266	03/06/1984	Johnston	204	276		
	DC	4,428,815	01/31/1984	Powell et al.	204	297 W		
	DD	4,405,416	09/20/1983	Raistrick et al.	204	68		
	DE	4,376,685	03/15/1983	Watson	204	52 R		
	DF	4,336,114	06/22/1982	Mayer et al.	204	52 R		
	DG	4,315,059	02/09/1982	Raistrick et al.	429	112		
	DH	4,113,492	09/12/1978	Sato, et al.	96	67		
	DI	4,110,176	08/29/1978	Creutz, deceased et al.	204	52 R		
	DJ	4,092,176	05/30/1978	Kozai et al.	134	186		
	DK	4,027,686	06/07/1977	Shortes et al.	134	33		
	DL	3,770,598	11/06/1973	Creutz	204	52 R		
<i>✓</i>	DM	3,727,620	04/17/1973	Orr	134	95		
Foreign Patent Documents						Translation		
		Document Number	Date	Country	Class	Subclass	Yes	No
	DN							
	DO							
	DP							
	DQ							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	DR							
	DS							
	DT							
Examiner		Date Considered	<i>6/31/02</i>					
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LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT		Applicant CHEUNG, ET AL.					
(Use several sheets if necessary)		JAN 29 2001 PATENT & TRADEMARK OFFICE	Filing Date 07/05/2000				
Examiner			Group 1741				
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clft	A1 5,324,684	06/28/1994	Kermani, et al.	437	95	02/25/1992	
	A2						
	A3						
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	A5						
	A6						
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	A8						
	A9						
	A10						
	A11						
	A12						
	A13						
Foreign Patent Documents				TECHNOLOGY CENTER 1700	RECEIVED	JUL 21 2002	
*Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
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	B2					<input type="checkbox"/>	<input type="checkbox"/>
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OTHER ART							
*Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.						
clft	C1	European Search Report dated December 11, 2000.					
	C2						
	C3						
Examiner	Suzanne Smith			Date Considered		5/31/02	
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